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EXAMINER
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MEUCCI, MICHAEL D

ART UNIT	PAPER NUMBER
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2142

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09/14/2007

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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## Office Action Summary

Application No.

09/868,417

Applicant(s)

LINDQUIST, CHARLES CAMERON

Examiner

Michael D. Meucci

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 59-61, 63-120 and 123 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 59-61, 63-120 and 123 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 March 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This action is in response to the amendments after final filed 24 August 2007.
2. Interview Summary dated 15 August 2007 is attached with this action.
3. Claims 59-61, 63-120, and 123 are currently pending.
4. Due to the new grounds of rejection, this action is non-final.
5. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

### ***Claim Objections***

6. The applicant's claims are replete with grammatical and other language errors. Applicant's assistance is requested in correcting any errors they come across.

### ***Claim Rejections - 35 USC § 112***

7. The following is a quotation of the second paragraph of 35 U.S.C. 112:  

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
8. Claims 59-61, 63-120, and 123 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
  - a. Claim 59 recites the limitation "an extranet" on lines 2 and 3 of the claim and then recites "said extranet" on lines 5 and 9-10. It is unclear to the examiner which

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extranet is meant to be disclosed. Applicant is required to differentiate between definitions of each extranet or correct antecedent basis issues with respect to the extranets. Correction is required.

b. Claim 59 recites the limitation "one of said connection gateways" in line 11. There is insufficient antecedent basis for this limitation in the claim. It is unclear to the examiner whether the applicant means for the new connection to be made to one in the series of connection gateways disclosed on line 6 of the claim or the connection gateway disclosed on line 8 of the claim. For the purpose of applying art, the examiner presumes the applicant means the former. Clarification and correction is required.

c. Claim 59 recites the limitation "the operation" in line 11. There is insufficient antecedent basis for this limitation in the claim. Correction is required.

d. Claim 59 recites the limitation "said communications server" in line 11. There is insufficient antecedent basis for this limitation in the claim because the applicant has previously defined "at least one communications server" and has not defined a single communications server. Correction is required.

e. Claim 59 recites the limitation "said connection gateways" in line 12. There is insufficient antecedent basis for this limitation in the claim. For the purpose of applying art, the examiner presumes the applicant means for the connection gateway of line 8 to provide access to information. Correction is required.

f. With reference to points (a) through (e) above, the applicant is required to re-write the claims in such a manner that removes all ambiguities and antecedent basis issues.

***Claim Rejections - 35 USC § 102***

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

10. Claims 59-61, 63-65, 67, 75, 76, 78-80, 82, 88-92, 117, 118, and 123 is rejected under 35 U.S.C. 102(e) as being anticipated by Goldszmidt et al. (U.S. 6,195,680 B1) hereinafter referred to as Goldszmidt.

a. As per claim 59, Goldszmidt teaches: an Internet browser connectable to an extranet (lines 45-52 of column 7); an extranet located external to said environment and accessible via said Internet browser (line 53 of column 7 through line 6 of column 8); at least one communications server located in said extranet and adapted to interconnect on-demand with one of a series of connection gateways located in predetermined environments (line 62 of column 14 through line 6 of column 15); a connection gateway located in said environment (lines 4-8 of column 15 and Fig. 6); wherein upon accessing a predetermined address by said Internet browser on said extranet, said communications server subsequently creates a new connection to a predetermined one of said connection gateways to control or monitor the operation of at least one service in said environment, with said connection gateway subsequently

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providing access to information contained within the environment directly to said Internet browser (lines 32-49 of column 5, lines 4-8 of column 15, and Fig. 6).

b. As per claim 60, Goldszmidt teaches: wherein the connection gateway located in said environment is adapted to serve a user interface for the control or monitoring of the operation of at least one service in said environment (lines 32-49 of column 5, lines 1-6 of column 15, and Fig. 6).

c. As per claim 61, Goldszmidt teaches: said service is adapted to at least one of monitor and control, one or more devices interconnected with said connection gateway (lines 32-49 of column 5, lines 1-6 of column 15, and Fig. 6).

d. As per claim 63, Goldszmidt teaches: wherein at least one of said devices is a monitoring device located within said environment (lines 32-49 of column 5, lines 1-6 of column 15, and Fig. 6).

e. As per claim 64, Goldszmidt teaches: said communication server utilizes a telecommunications network to interconnect with said connection gateway (lines 49-54 of column 5).

f. As per claim 65, Goldszmidt teaches: wherein authentication to access said extranet is required only once per Internet browser session (lines 24-27 of column 13).

g. As per claim 67, Goldszmidt teaches: publicly accessible HTML pages are additionally provided for each user of said system providing details of the current status of the environment of said user (lines 6-13 of column 13).

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h. As per claim 118, Goldszmidt teaches: the Internet access device is a computer, WebPhone, portable digital assistant, or mobile phone with web browsing capability; and the internet browser is on a mobile phone (lines 45-48 of column 7).

i. As per claim 75, Goldszmidt teaches: wherein the connection gateway acts as a hub and Internet connection mechanism for connected devices including information appliances and said devices located in said environment (lines 1-8 of column 15 and Fig. 6)

j. As per claim 76, Goldszmidt teaches: a control terminal interconnected to said connection gateway (lines 1-8 of column 15 and Fig. 6).

k. As per claim 78-80, Goldszmidt teaches: the control terminal is connected to said connection gateway in a wireless manner; the control terminal is powered by rechargeable batteries, allowing the control terminal mobility within the range of wireless transmitters attached to the user premises network in said environment; and the control terminal is of reduced handheld size, so that it can operate as a universal premises remote control (lines 24-36 of column 17).

l. As per claim 82, Goldszmidt teaches: the control terminal includes a personal computer (PC) equipped with a user premises network connection, wherein said PC runs a browser accessing a URL corresponding to said connection gateway (lines 9-14 of column 13).

m. As per claim 88, Goldszmidt teaches: wherein said connection gateways form nodes of a distributed computing environment that may be allocated by said extranet on a demand basis (lines 46-48 of column 15).

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n. As per claim 89, Goldszmidt teaches: extranet is a first network having a first network controller (lines 45-52 of column 7); environment is a second network having a second network access controller (line 53 of column 7 through line 6 of column 8); a user access browser located on said first network for locating and examining information on said first and second networks by means of network address locators (line 53 of column 7 through line 6 of column 8); wherein when a predetermined location on said network is accessed, said first network access controller initiates the establishment of a network connection to said second network access controller so as to provide for the temporary interconnection of said first network to said second network, said system thereby providing a seamless access to information stored on said second network from said user access browser (lines 32-49 of column 5, lines 4-8 of column 15, and Fig. 6).

o. As per claim 90, Goldszmidt teaches: network address locators comprise Universal Resource Locators (lines 6-13 of column 13).

p. As per claim 91, Goldszmidt teaches: storage means forming part of said extranet (lines 23-34 of column 9); a device activating a security condition upon the occurrence of a predetermined event (lines 34-44 of column 13); wherein, upon the occurrence of said predetermined event, said device notifies said connection gateway and transfers event information on said predetermined event to said connection gateway and said connection gateway establishes an interconnection with said communications server and transfers said event information via said communications server to said storage means for later interrogation by a user of said system and



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initiates predetermined alert notification actions (lines 32-49 of column 5, lines 4-8 of column 15, and Fig. 6).

q. As per claim 92, Goldszmidt teaches: wherein said device includes alert conditions which are forwarded to said connection gateway, wherein it is qualified with a pre-programmed enable, and if the result is TRUE, an event is generated, whereupon said connection gateway establishes a connection with one of said communications servers (lines 26-34 of column 2).

r. As per claim 117, Goldszmidt teaches: service implements monitoring or control of a plurality of devices connected to at least one network interconnected with connection gateway (line 62 of column 14 through line 6 of column 15 and Fig. 6).

s. As per claim 123, Goldszmidt teaches: wherein the environment is a network separate from the extranet and the connection gateway serves as an entrance from the environment to the extranet (line 62 of column 14 through line 6 of column 15 and Fig. 6).

### ***Claim Rejections - 35 USC § 103***

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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12. Claims 66, 68, 73, 74, 83, 85, 86, and 103 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claims 59 above in view of what was well known in the art at the time of the applicant's invention.

a. As per claim 66, Goldszmidt does not explicitly teach: said extranet forms part of the Internet and said communications server is located within the local telephone call radius of the environment, thus providing lower cost PSTN access from or to the environment. However, Official Notice is taken of communication servers being located within the local telephone call radius of the environment. It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to have the extranet form part of the Internet and said communications server located within the local telephone call radius of the environment, thus providing lower cost PSTN access from or to the environment. Internet service providers for dial-up internet services have long set up local telephone access numbers such that the customer does not pay for long-distance telephone calls. This concept is *extremely* well known in the art. It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the extranet form part of the Internet and said communications server located within the local telephone call radius of the environment, thus providing lower cost PSTN access from or to the environment in the system as taught by Goldszmidt.

b. As per claim 68, Goldszmidt does not explicitly teach: wherein said extranet provides a user premises e-mail facility, and automatically raises connection in a pre-programmed fashion to said connection gateway and transfers user e-mail to said

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connection gateway. However, Official Notice is taking of automatically connecting to and sending user e-mail to the connection gateway. It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to have the extranet provide a user premises e-mail facility, and automatically raise connection in a pre-programmed fashion to said connection gateway and transfers user e-mail to said connection gateway. Users composing e-mail offline are prompted to connect to the network when attempting to send emails while offline. This feature was common in Eudora email systems as well as many others years ago. As such this concept is extremely well know in the art. It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the extranet provide a user premises e-mail facility, and automatically raise connection in a pre-programmed fashion to said connection gateway and transfers user e-mail to said connection gateway in the system as taught by Goldszmidt.

c. As per claims 73 and 74, Goldszmidt does not explicitly teach: the connection gateway is in a tamper-proof enclosure, and operates without main power; and the connection gateway is tamper-proof and triggers an alarm and relays alarm to the provider network in case of attempted tampering. However, Official Notice is taken of these features. It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to have the connection gateway is in a tamper-proof enclosure, and operates without main power; and the connection gateway is tamper-proof and triggers an alarm and relays alarm to the provider network in case of attempted tampering. Both are extremely well known in the art and can be found in/on

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many security systems. It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the connection gateway is in a tamper-proof enclosure, and operates without main power; and the connection gateway is tamper-proof and triggers an alarm and relays alarm to the provider network in case of attempted tampering in the system as taught by Goldszmidt.

d. As per claim 83, Goldszmidt does not explicitly teach: the control terminal includes a set top box connected to a television and executes a web browser.

However, Official Notice is taken of this feature. The use of a set-top boxes to connect to the internet was available as WebTV (now MSN TV) in 1995. This limitation is extremely well known in the art and has been implemented in many systems for many years.

e. As per claims 85-86, Goldszmidt does not explicitly teach: a digital security camera having interconnection to said connection gateway, the digital security camera having an image capture and compression functionality; and said camera includes motion detection and image significance algorithms which run in said camera, and filter input so that only detected motion input is compressed and sent through said connection gateway to said extranet. However, Official notice is taken of a camera having image capture and compression functionality, as well as motion detection, image significance algorithms, and filtering input. It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have the digital security camera include an image capture and compression functionality; and said camera includes motion detection and image significance algorithms which run in said camera,

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and filter input so that only detected motion input is compressed and sent through said connection gateway to said extranet. These limitations are extremely well known in the art and have been made and used in security systems for many years. It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the digital security camera include an image capture and compression functionality; and said camera includes motion detection and image significance algorithms which run in said camera, and filter input so that only detected motion input is compressed and sent through said connection gateway to said extranet in the system as taught by Goldszmidt.

f. As per claim 103, Goldszmidt does not explicitly teach: wherein said user data storage on said extranet is allocated redundantly, ensuring integrity of stored surveillance data. However, Official Notice is taken of storing and allocating data redundantly because it has been very well known in the art for years.

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have said user data storage on said extranet is allocated redundantly, ensuring integrity of stored surveillance data. Evidence can be found in RAID systems levels 1-5 defined in 1988. It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have user data storage on the extranet allocated redundantly in the system as taught by Goldszmidt.

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13. Claims 69-71, 84, 106, 107, and 119 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claim 59, in view of Chen et al. (U.S. 5,784,463) hereinafter referred to as Chen.

a. As per claims 69, 106, 107, and 119, Goldszmidt teaches: a URL corresponding to said environment (lines 6-13 of column 13). Goldszmidt does not explicitly teach: the Internet browser runs on an Internet access device which includes a smart card reader and associated user smart card which provides authentication details; and at least one of said devices includes a reader for an RF tag embodied in keyfob or other device that is used for user authentication. However, Chen discloses: "It will be appreciated that the tokens used by the present invention may take a variety of forms, and that the term "token" is intended to refer to any device capable of sending and receiving challenges and responses during a user authentication process, including but not limited to smartcards and PCMCIA cards, or software on a user's computer, and that the term "reader" is intended to refer to any device capable of transmitting data to and from a token. Numerous different types of tokens are currently available, and the invention is intended to be compatible with all such devices," (lines 6-16 of column 4). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have a smart card and reader for authentication purposes; and have at least one of said devices include a reader for an RF tag embodied in keyfob or other device that is used for user authentication. "It will also be appreciated by those skilled in the art that the invention is not limited to any particular browser or application software, but rather that the invention can be use with any applications supported by the

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server," (lines 16-20 of column 4 in Chen). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have a smart card and reader for authentication; and at least one of said devices include a reader for an RF tag embodied in keyfob or other device that is used for user authentication in the system as taught by Goldszmidt.

b. As per claims 70 and 84, Goldszmidt does not explicitly teach: wherein said smart card also facilitates global access to the Internet for access of said extranet, and optionally additionally tracks connections for expensing. However, Chen discloses: "The preferred embodiment of the invention is practiced on a communications network 5 such as the Internet, made up of client nodes 10, each of which is connected to at least one computing device capable reading a "token", (lines 4-7 of column 4). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have said smart card also facilitate global access to the Internet for access of said extranet, and optionally additionally track connections for expensing. "It will be appreciated that the tokens used by the present invention may take a variety of forms, and that the term "token" is intended to refer to any device capable of sending and receiving challenges and responses during a user authentication process, including but not limited to smartcards and PCMCIA cards, or software on a user's computer, and that the term "reader" is intended to refer to any device capable of transmitting data to and from a token. Numerous different types of tokens are currently available, and the invention is intended to be compatible with all such devices. It will also be appreciated by those skilled in the art that the invention is not limited to any particular browser or

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application software, but rather that the invention can be use with any applications supported by the server,” (lines 7-20 of column 4 in Chen). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have said smart card also facilitate global access to the Internet for access of said extranet, and optionally additionally track connections for expensing in the system as taught by Goldszmidt.

c. As per claim 70, Goldszmidt teaches: the Internet access device is a computer, WebPhone, portable digital assistant, or mobile phone with web browsing capability; and the internet browser is on a mobile phone (lines 45-48 of column 7 and lines 24-36 of column 17).

14. Claim 72 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claim 59, in view of Woo et al. (U.S. 5,948,059) hereinafter referred to as Woo.

a. As per claim 72, Goldszmidt does not explicitly teach: wherein the connection gateway detects a fax and stores the fax. However, Woo discloses: “For example, a fax/image gateway server may be used to store and forward facsimile messages, a pager server can be used to store and receive page messages and a video server may also be used to receive and store video messages,” (lines 26-31 of column 4). It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to have the connection gateway detects a fax and stores the fax. “These additional servers, although not shown, can be linked and synchronized in



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the same manner as will be discussed for the e-mail server 102 and the voice-mail server 104," (lines 30-33 of column 4 in Woo). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the connection gateway detects a fax and stores the fax in the system as taught by Goldszmidt.

15. Claim 77 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claim 76 above, in view of Foster, Jr. (U.S. 5,668,929) hereinafter referred to as Foster.

a. As per claim 77, Goldszmidt does not explicitly teach: the control terminal is equipped with a biosensor, for access authentication of a local user in said environment to said connection gateway. However, Foster discloses: "In that regard, the present invention security devices and systems may be used alone or together with other forms of security, such as by way of example, a card reader, biological sensors of some kind such as a fingerprint sensor, eye separation detector, photo recording and/or verification or other facial or facial feature recognition (automatic or through a remotely located security officer), etc., or even some level of voice recognition," (lines 56-63 of column 4). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to include a biosensor for user authentication. "Security devices and systems may be used alone or together with other forms of security," (lines 57-58 of column 4 in Foster). It is for this reason that one of ordinary skill in the art at

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the time of the applicant's invention would have been motivated to include a biosensor for user authentication.

16. Claim 108 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt and Chen as applied to claim 107 above, in view of Foster, Jr. (U.S. 5,668,929) hereinafter referred to as Foster.

a. As per claim 108, Goldszmidt does not explicitly teach: wherein the smartcard includes a biosensor attached to the substrate of the smart card and interconnected with a circuit embedded in smartcard to authenticate user before the smartcard will operate. However, Foster discloses: "In that regard, the present invention security devices and systems may be used alone or together with other forms of security, such as by way of example, a card reader, biological sensors of some kind such as a fingerprint sensor, eye separation detector, photo recording and/or verification or other facial or facial feature recognition (automatic or through a remotely located security officer), etc., or even some level of voice recognition," (lines 56-63 of column 4). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have the smartcard include a biosensor attached to the substrate of the smart card and interconnected with a circuit embedded in smartcard to authenticate user before the smartcard will operate. "Security devices and systems may be used alone or together with other forms of security," (lines 57-58 of column 4 in Foster). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the smartcard include a

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biosensor attached to the substrate of the smart card and interconnected with a circuit embedded in smartcard to authenticate user before the smartcard will operate in the system as taught by Goldszmidt.

17. Claim 81 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claim 76 above, in view of Jones et al. (U.S. 6,216,173 B1) hereinafter referred to as Jones.

a. As per claim 81, Goldszmidt does not explicitly teach: the control terminal includes a digital camera, microphone and speaker, and video conferencing software, thus allowing the control terminal to be used as a videophone, through a standard browser interface. However, Jones discloses: "High-bandwidth studio video conferencing units 1504 are coupled to CPR network 1500 via multiple ISDN lines with the CPR network acting as a H.320 gateway. Low-bandwidth desktop video conferencing unit 1507 is coupled to CPR network 1500 via a single ISDN line," (lines 10-16 of column 43). It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to have the control terminal include a digital camera, microphone and speaker, and video conferencing software, thus allowing the control terminal to be used as a videophone, through a standard browser interface. "The studio and desktop video conferencing units may act as sources and/or sinks with respect to the video network," (lines 16-20 of column 43 in Jones). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the control terminal include a digital camera, microphone and

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speaker, and video conferencing software, thus allowing the control terminal to be used as a videophone, through a standard browser interface in the system as taught by Goldszmidt.

18. Claim 87 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claim 59 above, in view of Lea et al. (U.S. 6,032,202) hereinafter referred to as Lea.

a. As per claim 87, Goldszmidt does not explicitly teach: the connection gateway provides support for at least one of HomePnP, Bluetooth, HomeRF, Hiperlan, and HAVi standards for network communication and appliance control. However, Lea discloses: "Specifically, the HAVI architecture provides: an execution environment supporting the visual representation and control of appliances; application and system services; and communication mechanisms for extending the environment dynamically through plug and play or otherwise," (lines 17-21 of column 6). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to include at least one of these protocols. "It should be noted that the HAVI architecture supports legacy appliances (e.g., appliances that already exist and are available to users). This is important since the transition to more intelligent networked appliances is going to be slow. Most manufacturers will not suddenly begin producing only "intelligent" appliances and most consumers will not quickly begin replacing all of their existing appliances," (lines 22-29 of column 6 in Lea). It is for this reason that one of ordinary

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skill in the art at the time of the applicant's invention would have been motivated to include at least one of these protocols in the system as taught by Goldszmidt.

19. Claims 93, 94, 96-102, 104, 105, 109-116 and 120 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt as applied to claim 92 above, in view of Venkatraman et al. (EP 0838768 A2) hereinafter referred to as Venkatraman.

a. As per claim 93, Goldszmidt does not explicitly teach: wherein said device is a security sensor device, said system is a security system, said event is a security alarm event, and said data is surveillance data or security alert data. However, Venkatraman discloses: "The home-based network 30 may also enable communication among a set of devices 50-52. The devices 50-52 may include devices such as home appliances, home security systems, home entertainment devices, air-conditioning systems and hot-tubs," (lines 45-47 of page 4). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have the device is a security sensor device, said system is a security system, said event is a security alarm event, and said data is surveillance data or security alert data. "Any of the devices 50-52 that implement the device web page mechanisms disclosed herein may provide device specific user interface web pages to the web browser 40 via the home-based network 30," (lines 47-48 of page 4 in Venkatraman). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the device is a security sensor device, said system is a security

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system, said event is a security alarm event, and said data is surveillance data or security alert data in the system as taught by Goldszmidt.

b. As per claim 94 and 96-98, Goldszmidt does not explicitly teach: wherein surveillance data related to said alarm event is uploaded to said extranet for secure storage accessible upon interrogation by a user; wherein the connection gateway incorporates a user programmed phone call answer strategy, including delayed answer, and upon answering said phone call, optionally detects a voice call, in which case it records a compressed version of the voice call for later retrieval by the user, thus operating in answering machine mode; wherein upon answering an incoming call, the connection gateway raise a connection to a communications server, and sends an indication to the user of said security system of the receipt of a recorded message; wherein said connection gateway sends a recorded compressed voice messages to a communications server for storage on said extranet for forwarding to a user of said environment. However, Venkatraman discloses: "As a consequence, any other HTTP clients coupled to the local area network 120 or the home-base network 130 may access the device web pages in a device 108 a device 106, or the device 10," (lines 33-35 of page 6). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have surveillance data related to said alarm event uploaded to said extranet for secure storage accessible upon interrogation by a user; wherein the connection gateway incorporates a user programmed phone call answer strategy, including delayed answer, and upon answering said phone call, optionally detects a voice call, in which case it records a compressed version of the voice call for

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later retrieval by the user, thus operating in answering machine mode; wherein upon answering an incoming call, the connection gateway raise a connection to a communications server, and sends an indication to the user of said security system of the receipt of a recorded message; wherein said connection gateway sends a recorded compressed voice messages to a communications server for storage on said extranet for forwarding to a user of said environment. "In addition, the web browser 40 or any HTTP client on the world-wide web 100 may access the device web pages of the devices 106 and 108, (lines 35-36 of page 6 in Venkatraman). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have surveillance data related to said alarm event uploaded to said extranet for secure storage accessible upon interrogation by a user; wherein the connection gateway incorporates a user programmed phone call answer strategy, including delayed answer, and upon answering said phone call, optionally detects a voice call, in which case it records a compressed version of the voice call for later retrieval by the user, thus operating in answering machine mode; wherein upon answering an incoming call, the connection gateway raise a connection to a communications server, and sends an indication to the user of said security system of the receipt of a recorded message; wherein said connection gateway sends a recorded compressed voice messages to a communications server for storage on said extranet for forwarding to a user of said environment in the system as taught by Goldszmidt.

f. As per claim 99, Goldszmidt teaches: wherein the connection gateway provides an indication of messages received on a HTML page accessible by a user of said home environment (lines 6-13 of column 13).

g. As per claim 100, Goldszmidt teaches: wherein said connection gateway is programmable to allow different response mechanisms to differing classes of alert events (lines 26-35 of column 2).

h. As per claim 101, Goldszmidt teaches: wherein said connection gateway contains connection details for preferred and secondary communication servers on said extranet, so that if a first communication server does not respond, other communication servers may be contacted until successful connection is achieved (lines 26-35 of column 2).

i. As per claim 102, Goldszmidt teaches: wherein user data storage on said extranet for storing event data associated with said environment is allocated virtually (lines 18-31 of column 6).

j. As per claim 104, Goldszmidt teaches: wherein said extranet includes a user contact database which includes preferred contact methods, allowing automatic contact mechanisms to be associated with alarm condition, including use of email, page, computer generated voice message through telephone, requesting response, or after a specified timeout has elapsed, security action (lines 12-21 of column 3).

k. As per claim 105, Goldszmidt teaches: an external access control mechanism to said environment (lines 45-52 of column 7).



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I. As per claims 109-116, Goldszmidt does not explicitly teach: wherein said environment is a home environment, a commercial environment, or industrial environment; the at least one service includes a security monitoring service; the at least one service includes a video surveillance service; the at least one service includes an automation and control service; the at least one service includes a utility metering service; and the at least one service includes an energy management service.

However, Venkatraman discloses: "A wide variety of devices including office equipment, home-based equipment, and lab equipment, as well as a variety of other types of devices commonly provide device specific user interface functions," (lines 5-6 of page 2). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have said environment as a home environment, a commercial environment, or industrial environment; the at least one service includes a security monitoring service; the at least one service includes a video surveillance service; the at least one service includes an automation and control service; the at least one service includes a utility metering service; and the at least one service includes an energy management service. "The user-interface mechanisms of such device commonly include relatively simple and low cost user input and display mechanisms," (lines 12-13 of page 2 in Venkatraman). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have said environment as a home environment, a commercial environment, or industrial environment; the at least one service includes a security monitoring service; the at least one service includes a video surveillance service; the at least one service includes an automation

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and control service; the at least one service includes a utility metering service; and the at least one service includes an energy management service in the system as taught by Goldszmidt.

m. As per claim 120, Goldszmidt does not explicitly teach: the connection gateway is embodied in a security camera. However, Venkatraman discloses: "The device 10 represents a wide variety of devices including devices such as winters, fax machines, copiers, communication and telephony devices, home entertainment devices such as televisions, video and audio devices as well as appliances such as refrigerators and washing machines, security systems, automobiles, and hot tubs," (lines 37-39 on page 3). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have the connection gateway embodied in a security camera. "The device 10 also represents a variety of measurement instruments including oscilloscopes, and spectrum analyzers end other types of measurement devices," (lines 39-41 of page 3 in Venkatraman). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have the connection gateway embodied in a security camera in the system as taught by Goldszmidt.

20. Claim 95 rejected under 35 U.S.C. 103(a) as being unpatentable over Goldszmidt and Venkatraman as applied to claim 92 above, in view of Conklin et al. (U.S. 5,991,881) hereinafter referred to as Conklin.

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a. As per claim 95, Goldszmidt does not explicitly teach: wherein photos of authorized occupants of said environment are accessible from said extranet and are accessed upon said alarm event and cross referenced with said surveillance data to ascertain whether a true alarm condition has been raised. However, Conklin discloses: "The system operates to monitor and control sensors and actuators, handles event logging, generates alarm maps and related displays, and switches and distributes surveillance video," (lines 19-23 of column 2). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have photos of authorized occupants of said environment accessible from said extranet and accessed upon said alarm event and cross referenced with said surveillance data to ascertain whether a true alarm condition has been raised. "The system described will generally use the existing complement of sensors and actuators as included in an existing intrusion subsystem, existing video surveillance equipment, and the existing voice and data communication subsystems. The present invention operates to integrate the operation so that these separate subsystems can be conveniently monitored by a single console to enable a single operator to monitor and therefore control the various subsystems of concern," (lines 23-32 of column 2 in Conklin). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to have photos of authorized occupants of said environment accessible from said extranet and accessed upon said alarm event and cross referenced with said surveillance data to ascertain whether a true alarm condition has been raised in the system as taught by Goldszmidt.

***Response to Arguments***

21. Applicant's arguments with respect to claim 59 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

22. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Meucci at (571) 272-3892. The examiner can normally be reached on Monday-Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached at (571) 272-3868. The fax phone number for this Group is 571-273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [michael.meucci@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Andrew Caldwell". The signature is fluid and cursive, with the first and last names being more prominent.

ANDREW CALDWELL  
SUPERVISORY PATENT EXAMINER